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# From the INTERNATIONAL SEARCHING AUTHORITY

**PCT** ITOH TADAHIKO **NOTIFICATION OF TRANSMITTAL OF** THE INTERNATIONAL SEARCH REPORT ORTHEDECLARATION 2 / MAY 2005 32ND FLOOR, YEBISU GARDEN PLACE TOWER, 20-3, EBISU (PCT Rule 44.1) 4-CHOME, SHIBUYA-KU TOKYO 150-6032 JAPAN Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below R03352 PCT International filing date International application No. (day/month/year) 02.12.2003 PCT/JP 03/15439 RICOH COMPANY, LTD.

1.	The applicant is hereby notified that the international search report has been established and is transmitted herewith.
	Filing of amendments and statement under Article 19:  The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):
	When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.
	Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35
	For more detailed instructions, see the notes on the accompanying sheet.
2.	The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.
3.	With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
	the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
	no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.
4.	Reminders:
-	Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.
	Within 19 months from the priority date, but only in respect of some degignated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.
	In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.
	See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.

Authorized officer

Commissioner of the Patent Office

Telephone No. +81-3-3581-1101 Ext. 3261

3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan Form PCT/ISA/220 (April 2002)

Name and mailing address of the ISA/JP

Japan Patent Office

(See notes on accompanying sheet)

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#### **ATTENTIONS**

- 1. An applicant should pay attention that there is an amendment period for requesting to International Bureau computing from the dispatch date of the international search report under Treaty Article 19 (1) and Regulations 46.1.
- 2. An applicant should pay attention to the period prescribed by Treaty Article 22 (2).
- 3. Demand for copy of documents

Copy of the documents described in the international search report.

An applicant can request the copy of these cited documents to the Japanese Patent Office, however, Japan Patent Information Organization also services sales of the copy of these cited documents. Those who request copying of the cited documents should pay attention to the following points.

### [ApplicationMethod]

- (1) As for Patent (Utility Model, Design) Gazette, the following points shall be defined clearly.
  - O Types of patent, utility model, and design
  - O Fiscal year and number of publication of application or publication of unexamined application (or patent number, registration number)
  - O Necessary number of paper sheets
- (2) As for documents except for the gazette, the following points are required attention.
  - O Be sure to attach the copy of the international search report (which shall be returned).

[Application and Reference]

〒135-0016

4-1-7 Toyo Koto-ku, Tokyo

Sato Daiya Building

Foundation of Japan Patent Information Organization

InformationProcessingDepartment

Copy Service section

TEL: 03-3508-2313

Note: T

The period for requesting the copy of the documents to Japan Patent Office is set to 7 years from the international application date.

#### NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

#### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

#### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

#### NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

# The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
   "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
   "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

#### It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

#### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

#### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.

Notes to Form PCT/ISA/220 (second sheet) (April 2002)



# **PCT**

## INTERNATIONALSEARCHREPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference R03352 PCT	FOR FURTHER ACTION	see Notification of (Form PCT/ISA/22	f Transmittal of International Search Report (0) as well as, where applicable, item 5 below.
International application No. PCT/JP03/15439	International filing date (0	•	(Earliest) Priority Date (day/month/year) 04.12.2002
Applicant RICOH COMPANY	LTD.		
This international search report has been p to Article 18. A copy is being transmitte		_	y and is transmitted to the applicant according
This international search report consists	of a total of3_ sl	neets.	
It is also accompanied by a	copy of each prior art docu	ment cited in this re	eport.
1. Basis of the report			
a. With regard to the language, th language in which it was filed, un			basis of the international application in the
the international search was Authority (Rule 23.1(b)).	as carried out on the basis	of a translation of the	ne international application furnished to this
1		disclosed in the inte	rnational application, the international search
contained in the internation	al application in written for	m.	
filed together with the inter	national application in com	puter readable form	
furnished subsequently to t	his Authority in written fo	rm.	
furnished subsequently to the	his Authority in computer i	readable form.	·
the statement that the sub-		en sequence listing	does not go beyond the disclosure in the
the statement that the inform furnished.	nation recorded in computer	readable form is id	entical to the written sequence listing has been
2. Certain claims were foun	d unsearchable (See Box	I).	
3. Unity of invention is lack	ing (See Box II).		
4. With regard to the title,			
the text is approved as sub	mitted by the applicant.		
the text has been established	ed by this Authority to read	d as follows:	
			•
5. With regard to the abstract,			
the text is approved as sub	mitted by the applicant.		
			as it appears in Box III. The applicant may, port, submit comments to this Authority.
6. The figure of the drawings to be pul	blished with the abstract is	Figure No	1
as suggested by the applica			None of the figures.
because the applicant failed	l to suggest a figure.		_
because this figure better ch	haracterizes the invention.		

Form PCT/ISA/210 (first sheet) (July 1998)



International application No. PCT/JP03/ 15439

#### **CLASSIFICATION OF SUBJECT MATTER** Int.Cl7 B41J 29/12 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl7 B41J 29/12 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Japanese Utility Model Gazette 1926-1996. Japanese Publication of Unexamined Utility Model Applications 1971-2003, Japanese Registered Utility Model Gazette 1994-2003, Japanese Gazette Containing the Utility Model 1996-2003 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category\* 1,4,22 JP 2001-130093 A (SEIKO EPSON CORPORATION) Y 2-10,16,18-2001.05.15, WHOLE DOCUMENT (FAMILY NONE) 27 A 11-15,17 v 2,22-27 EP 0534500 A (HEWLETT-PACKARD COMPANY) A 13-15 1993.03.31, WHOLE DOCUMENT & JP 63-057751 A JP 06-198990 A (STAR MICRONICS CO., LTD.) Y 3 1994.07.19, WHOLE DOCUMENT (FAMILY NONE) JP 2002-62705 A (FUJI XEROX CO., LTD.) Y 5 2002.02.28, WHOLE DOCUMENT (FAMILY NONE) Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such document referring to an oral disclosure, use, exhibition or other combination being obvious to a person skilled in the art document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report **23**. 3. 2004 08.03.2004 Name and mailing address of the ISA/JP Authorized officer 2P 9404 TERUKI YUMOTO Japan Patent Office Telephone No. +81-3-3581-1101 Ext. 3261 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan



International application No. PCT/JP03/ 15439

Category*	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.
X Y	JP 11-078159 A (HITACHI,LTD) 1999.03.23,WHOLE DOCUMENT (FAMILY	16,18 6-10	
Y	JP 2001-312112 A (RICOH COMPANY,LT 2001.11.09,WHOLE DOCUMENT (FAMILY	6	
Y	JP 04-005894 A (CANON KABUSHIKI KA 1992.01.09, WHOLE DOCUMENT (FAMILY	19-21	
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Form PCT/ISA/210 (continuation of second sheet) (July 1998)